

Application No. 10/067,903
Reply to Office Action of August 11, 2003

IN THE SPECIFICATION

Please amend the specification beginning at page 11, line 15 through page 12, line 5
as follows:

In this embodiment, providing that the disk power transmitting surface 20 is planar,
the profile of the power transmitting surface 14 is considered. The profile of the roller power
transmitting surface 14 refers to the cross section of the roller 10 which contains the roller
axis 12. This profile is expressed in a coordinate system described below. Specifically, the
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origin O is the center of the contact region 22, that is, a point at which the roller 10 contacts
the disk 16 when the roller 10 is pressed onto the disk 16 as being applied by a load W 0; the
x axis coincides with the contact central line 24, being positive in the direction toward the
axis 18; the y axis extends along the power transmitting direction, or the direction of friction
force, being positive in the direction of the velocity Vd of the disk power transmitting surface
at the origin O; and the z axis is determined so as to constitute a right-hand orthogonal
coordinate system relative to the x and y axes determined as noted above. The resultant x z
axis extends penetrating the sheet of Fig. 2, being positive closer to the reader.